



*Inventor: Rene N. Ritter et al.
Title: Apparatus and Method for Resistivity Measurements During Rotational Drilling
Serial No.: 10/657,870; Filed: September 9, 2003; Confirmation No.: 2078
Docket No.: 313-34391-US*

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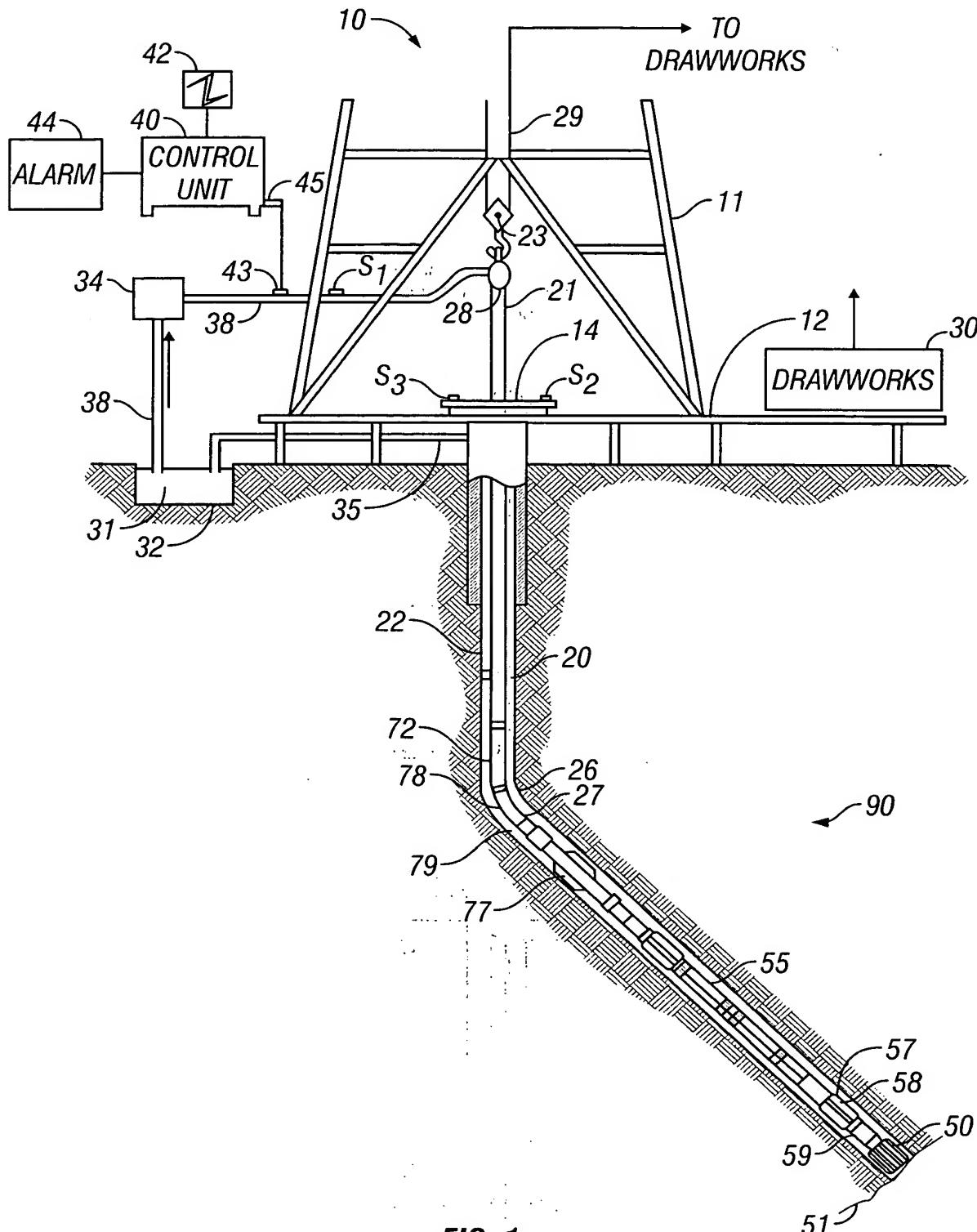


FIG. 1
(Prior Art)

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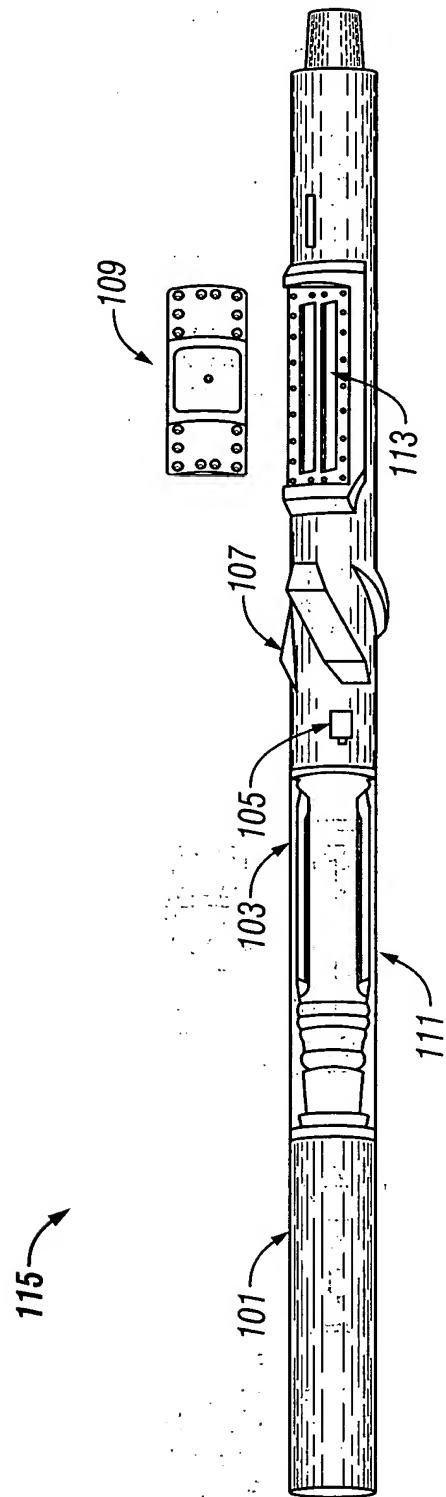


FIG. 2

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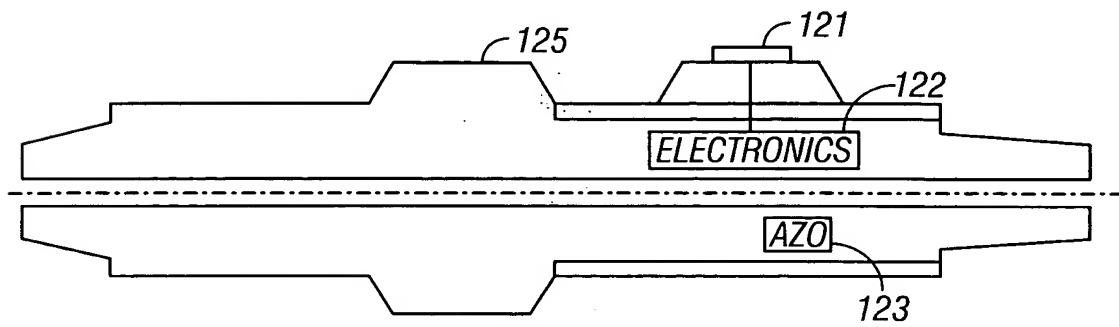


FIG. 3A

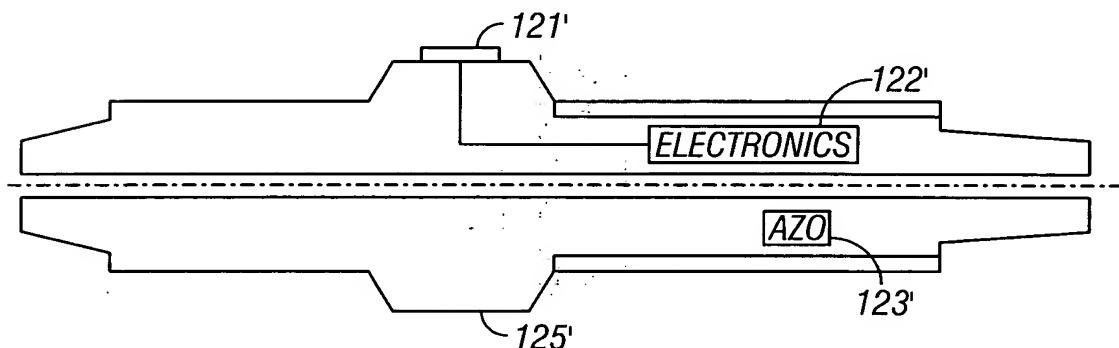


FIG. 3B

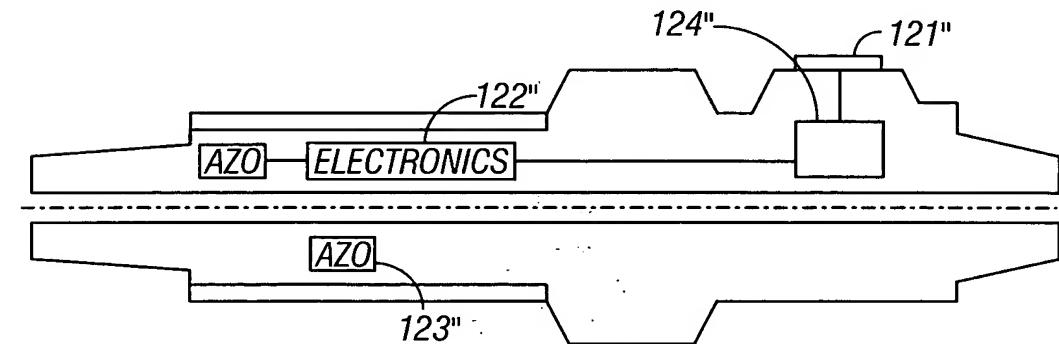


FIG. 3C

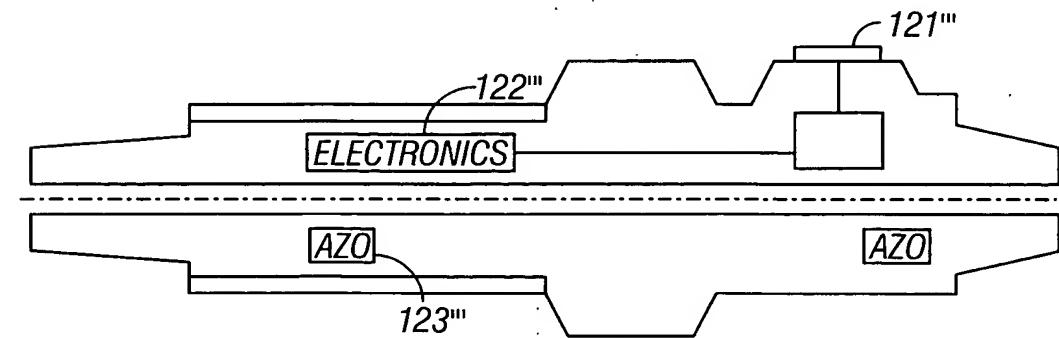


FIG. 3D

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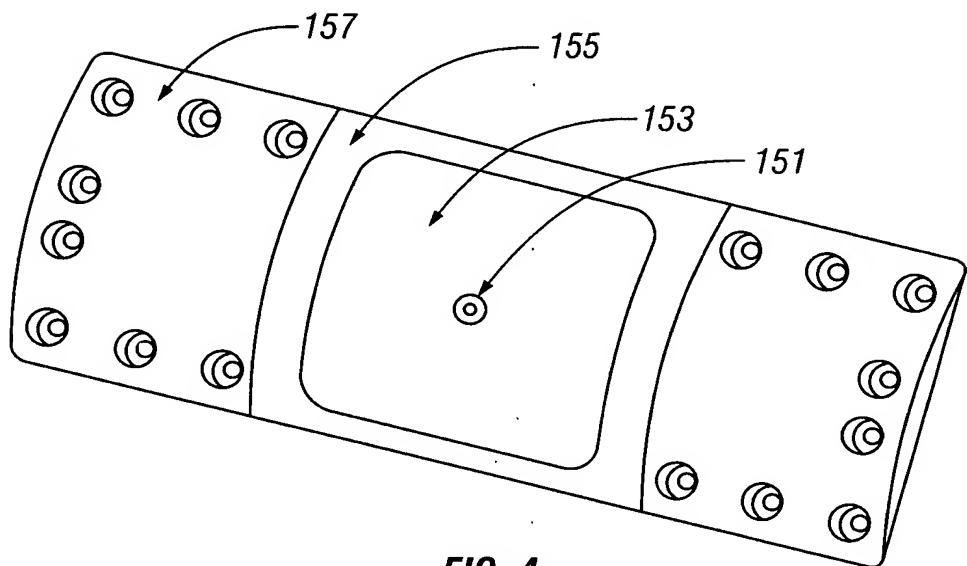


FIG. 4

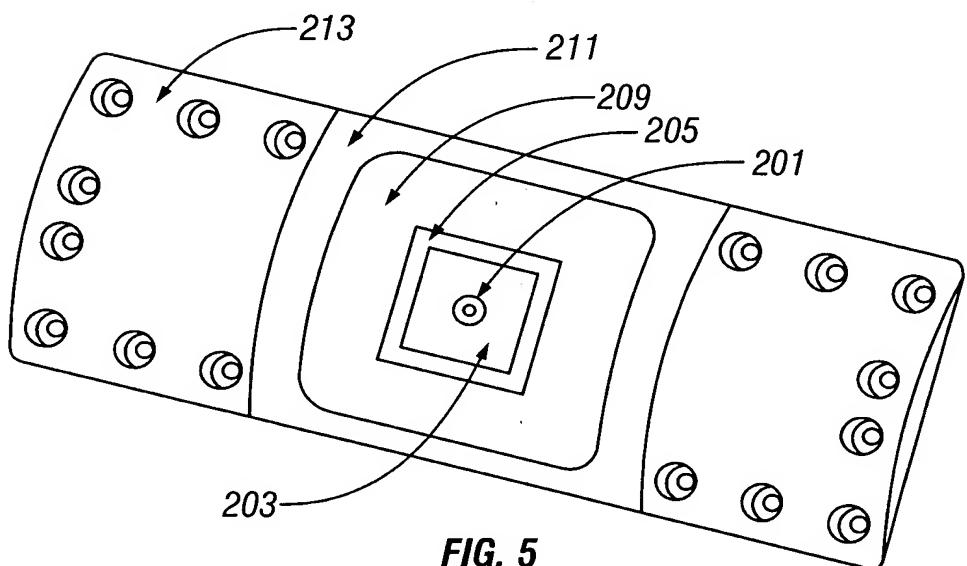


FIG. 5

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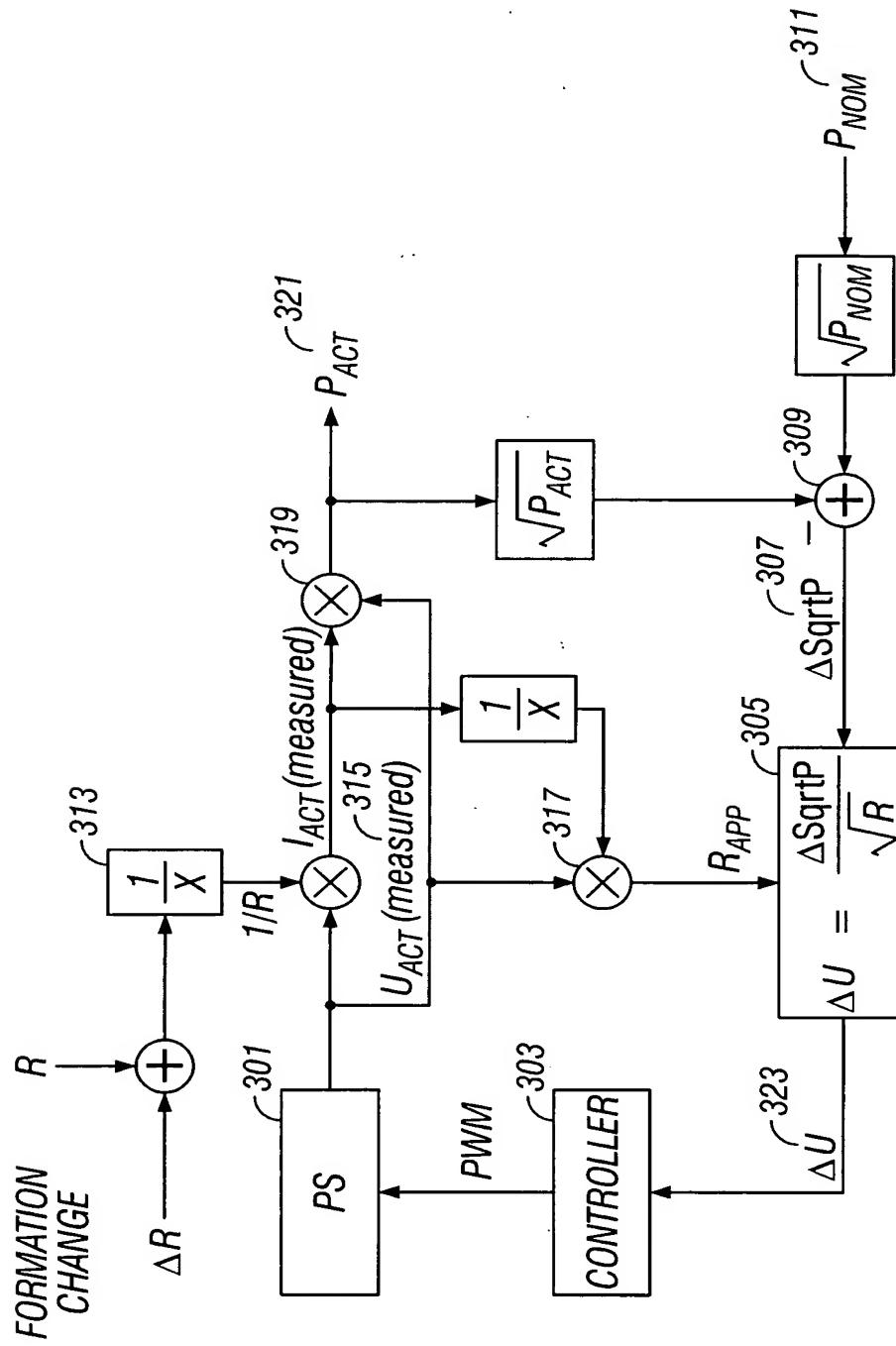


FIG. 6

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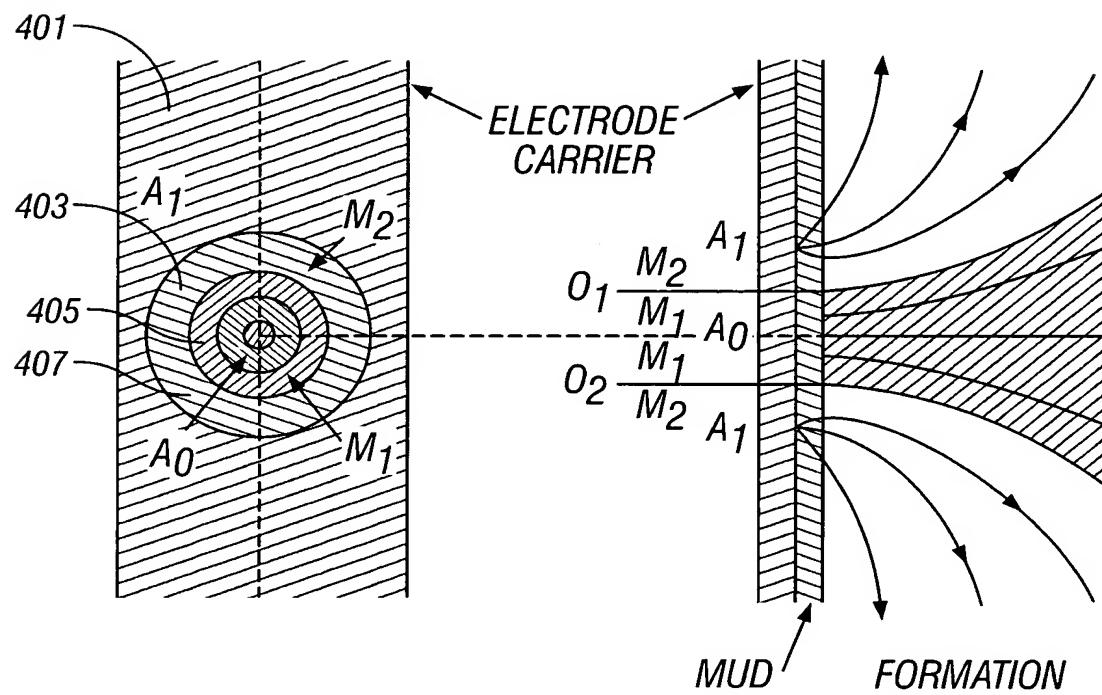


FIG. 7

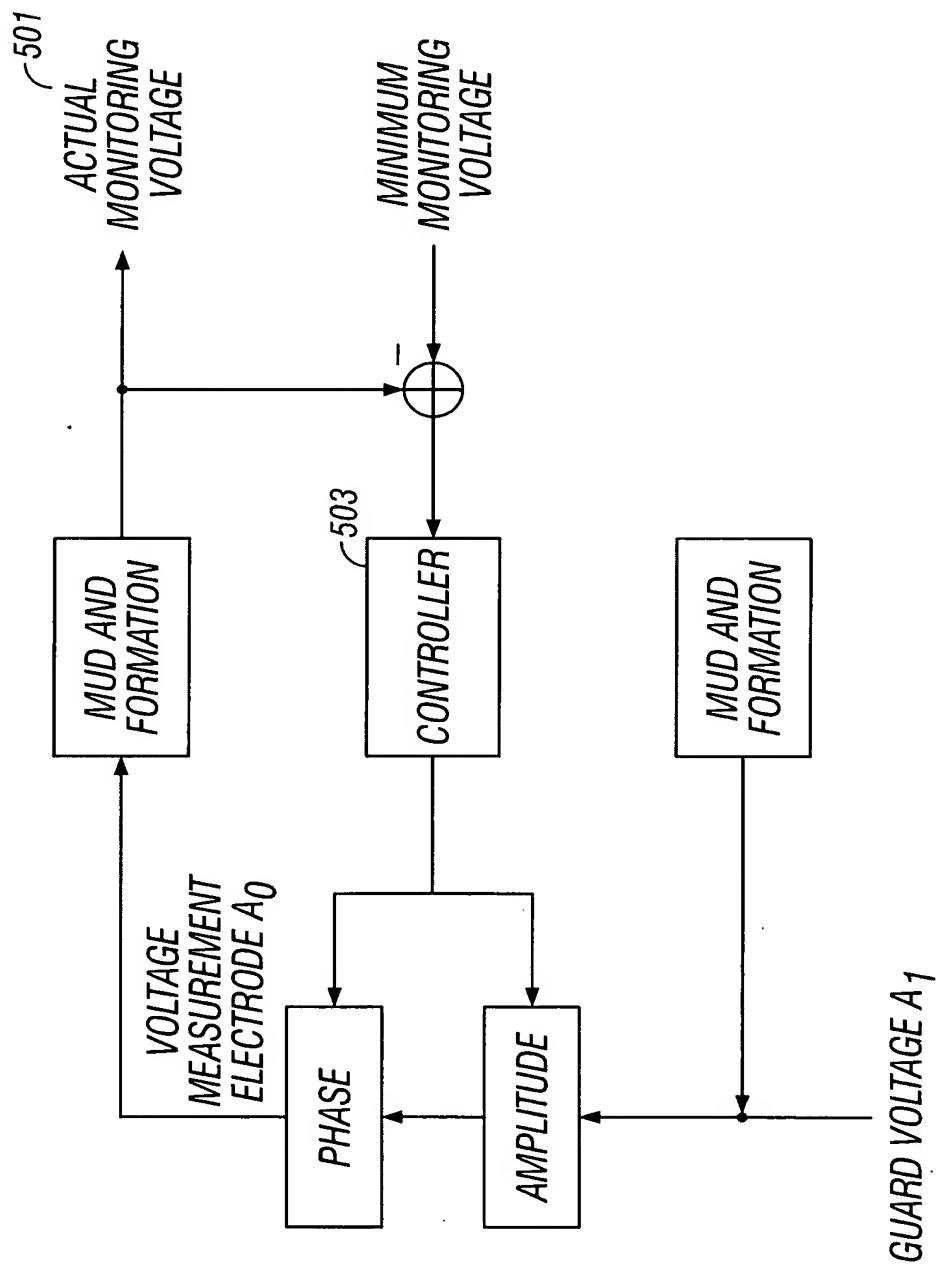


FIG. 8

GUARD VOLTAGE A1

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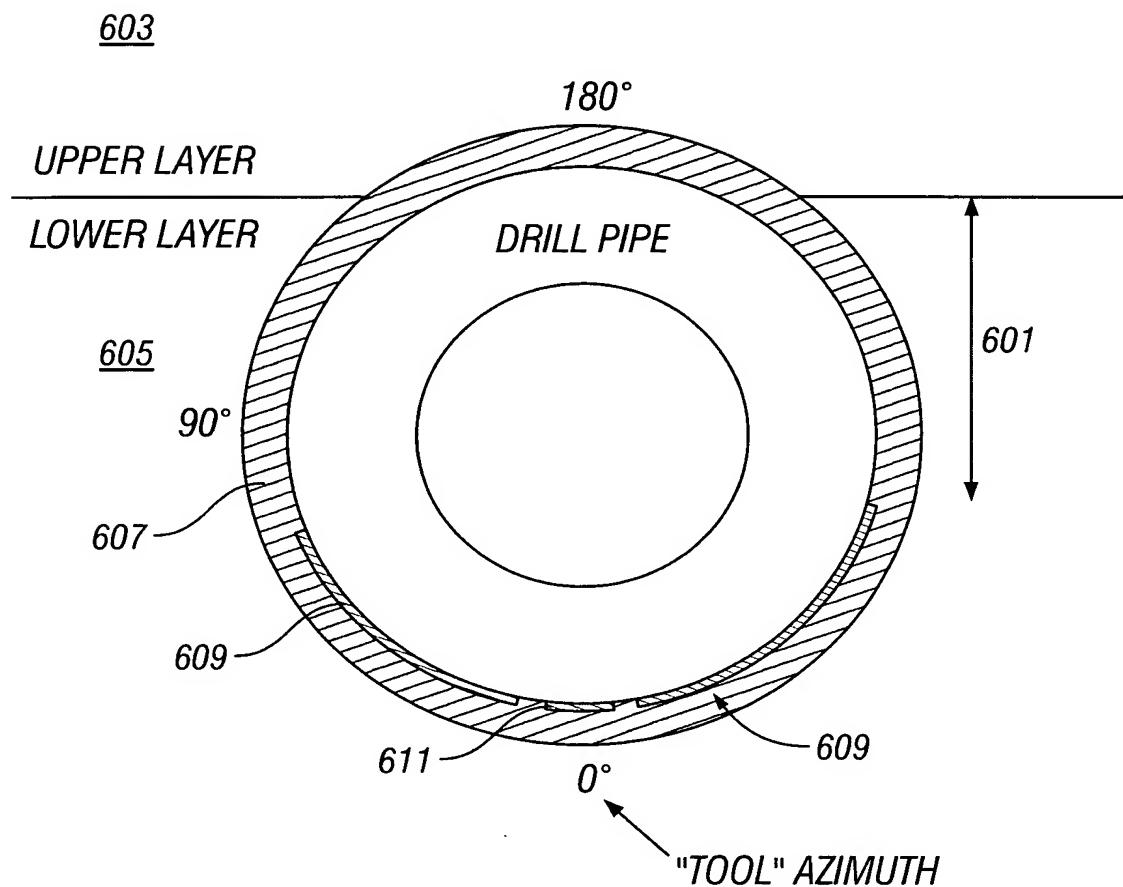


FIG. 9

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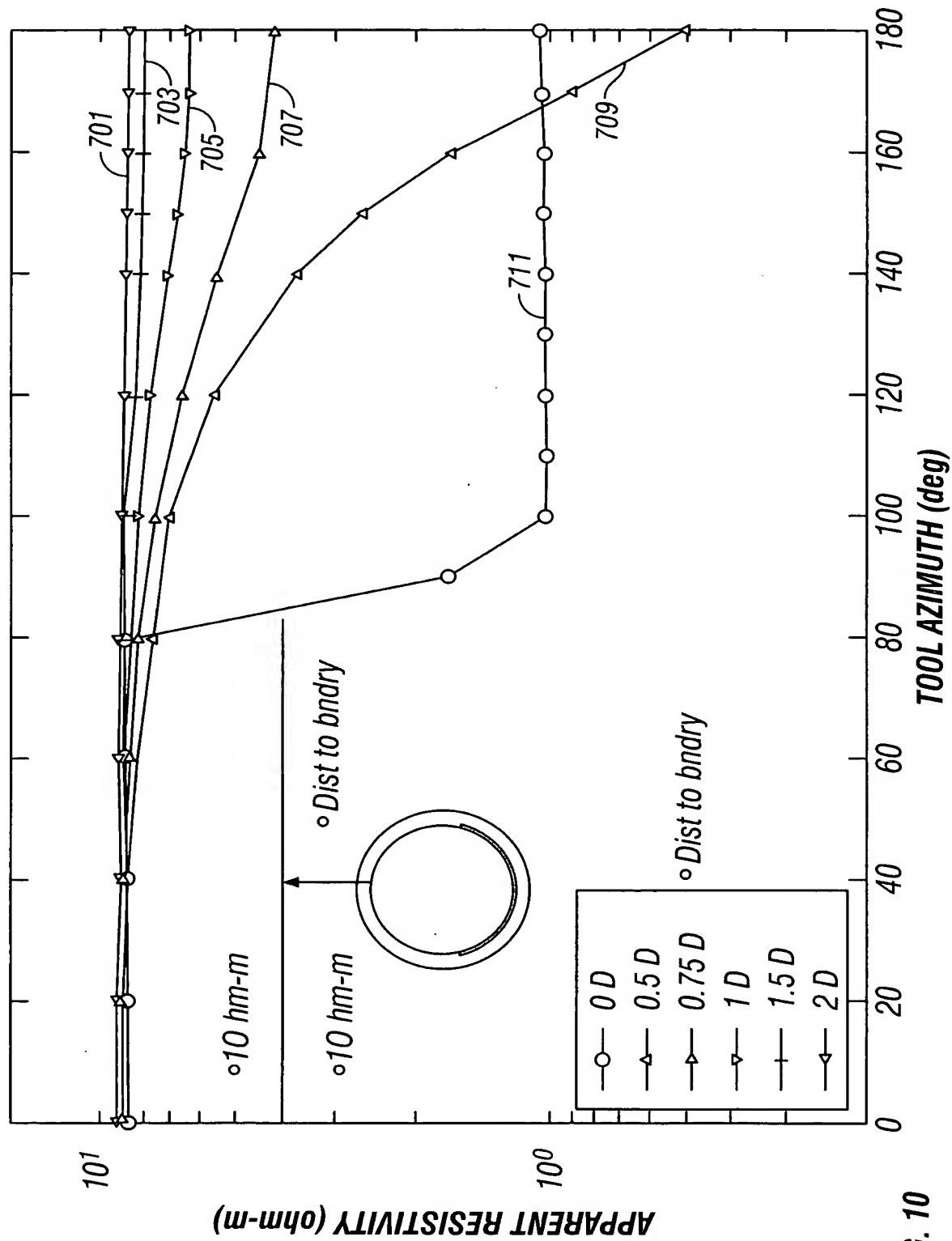


FIG. 10

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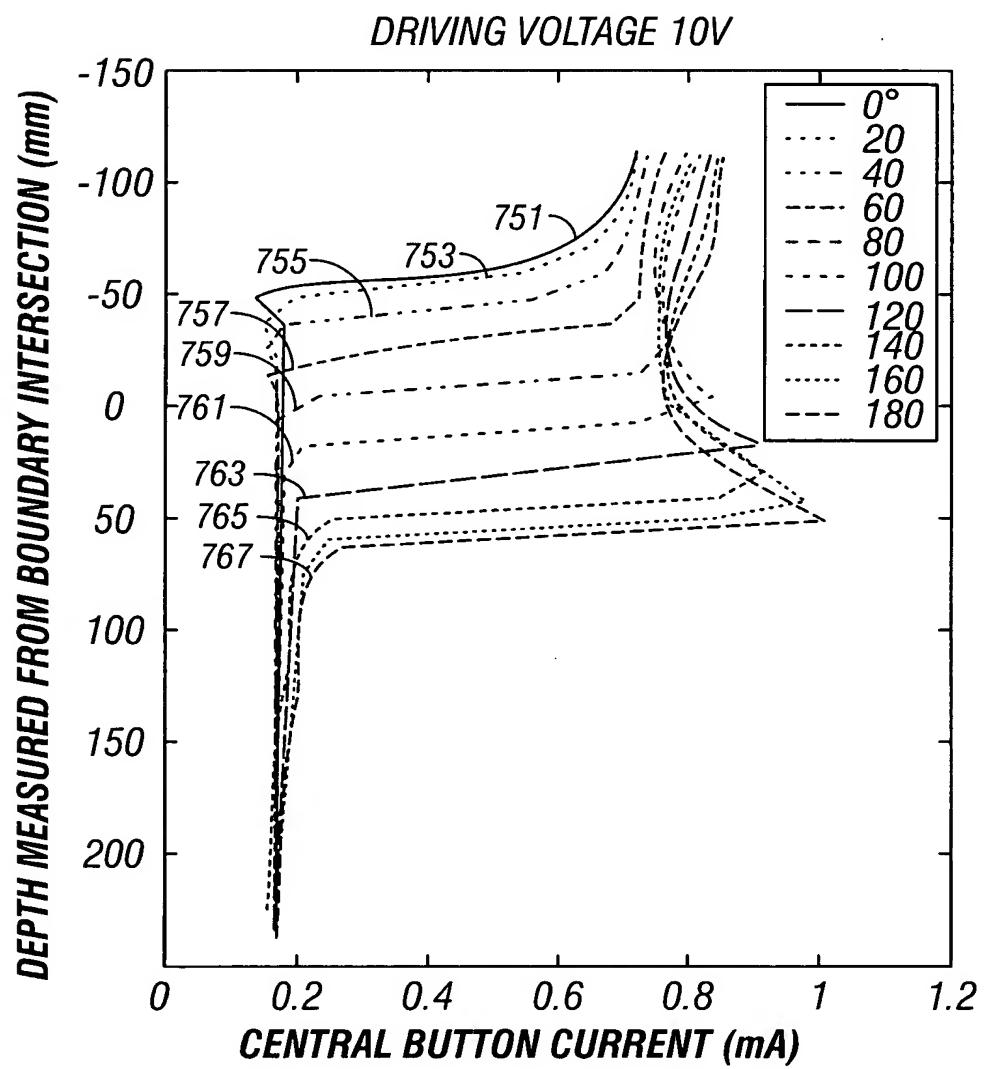


FIG. 11

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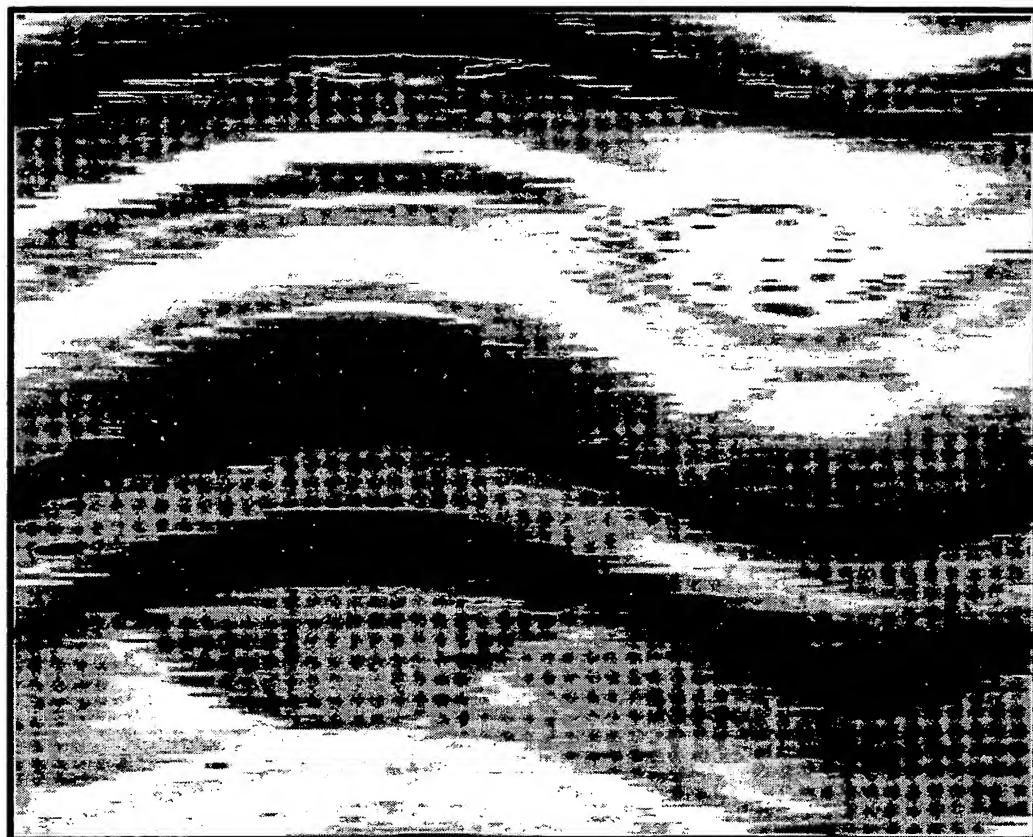


FIG. 12

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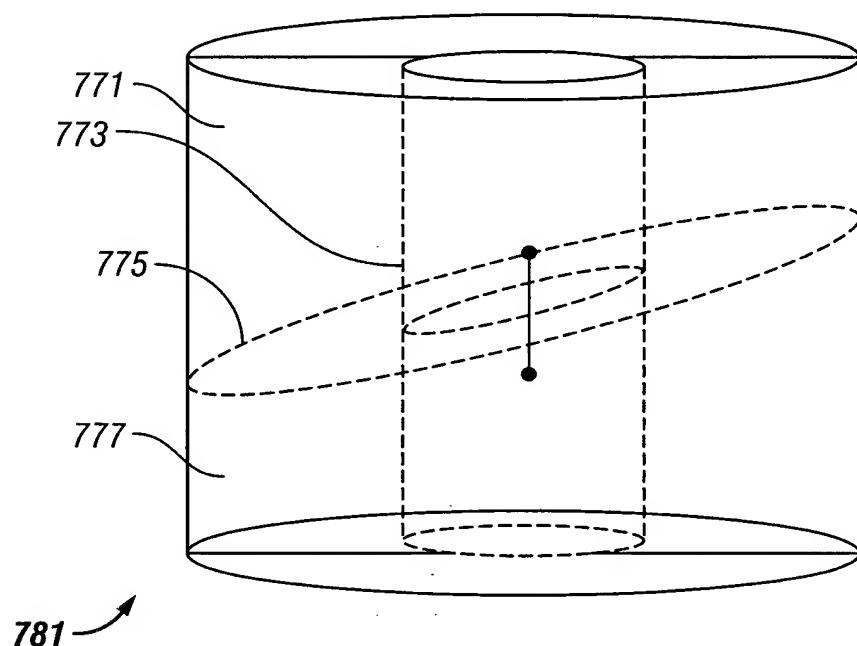


FIG. 12A

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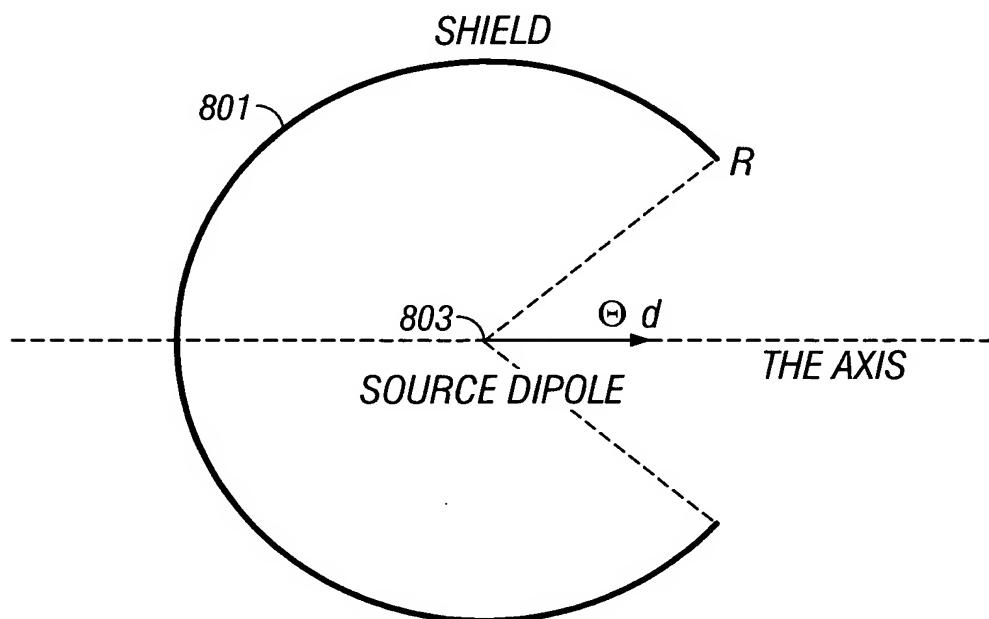


FIG. 13

QUADRUPOLE INDUCTION SYSTEM

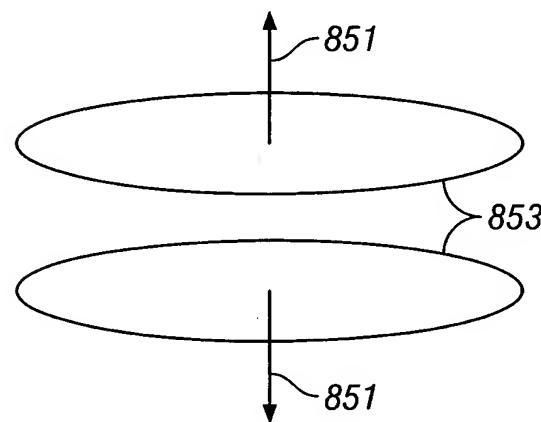


FIG. 14

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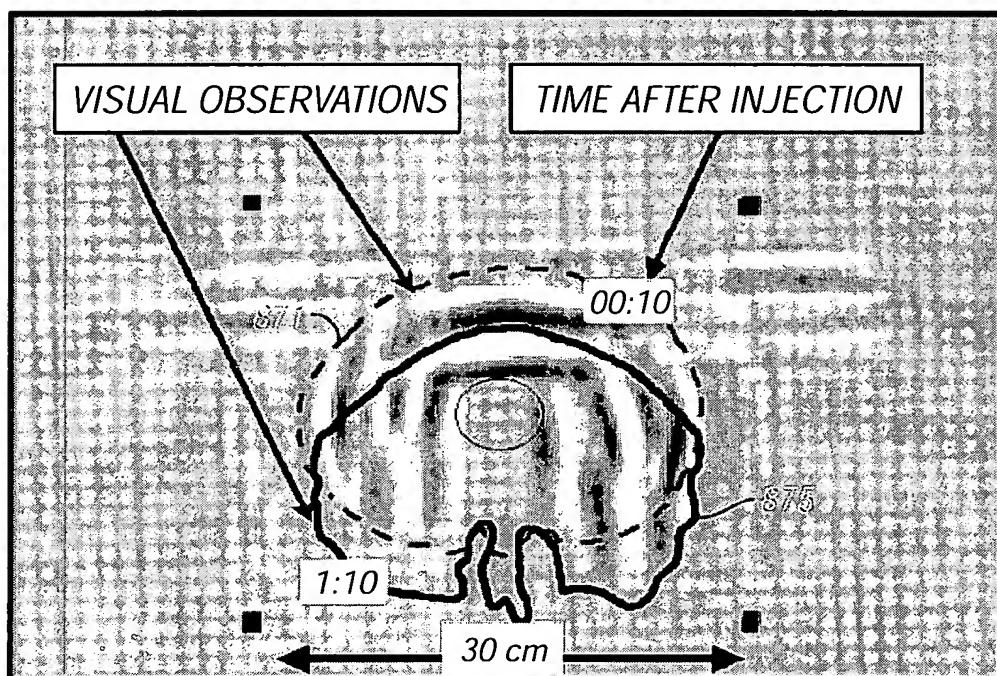


FIG. 15
(Prior Art)

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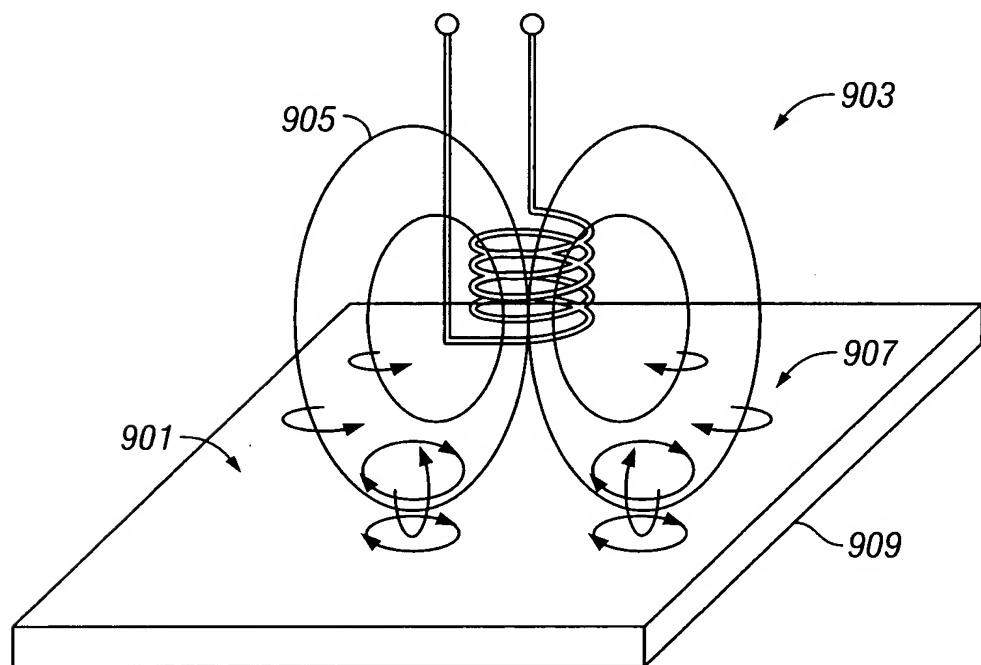


FIG. 16
(*Prior Art*)